

BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS TO ROADS AND DRAINS AT MAHESHWARI NAGAR CROSS ROADS AND SURROUNDING AREAS IN WARD NO.01 OF YELAHANKA SUB DIVISION

				Estimate Cost Rs.				15.00	Lakhs
Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRRB M200-24:- dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces no exceeding 0.02 Cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials separately complete as per specifications. MORTH specifications. No. 202, (P.No. 138/ Item No. 18.47)								
	Maheswari Nagar	Cum							
	Cross Roads and Passages		1	65.00	3.50	0.20	45.50		
			1	55.00	2.00	0.20	22.00		
			1	50.00	3.00	0.25	37.50		
			1	45.00	3.00	0.20	27.00		
			1	45.00	2.00	0.20	18.00		
				Total Qty			150.00	918.92	137838.69
	Basic Rate	781.00							
	AD-HOC 11%	85.91							
	Sub-Total	866.91							
	Area Weightage @ 6%	52.01							
	Total	918.92							
2	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)KPWD S.R 2016-17								
	Maheswari Nagar	Cum							
	Cross Roads and Passages		1	65.00	3.50	0.15	34.13		
			1	55.00	2.00	0.15	16.50		
			1	50.00	3.00	0.15	22.50		
			1	45.00	3.00	0.15	20.25		
			1	45.00	2.00	0.15	13.50		
				Total Qty			106.88	184.73	19742.61
	Basic Rate	157.00							
	AD-HOC 11%	17.27							
	Sub-Total	174.27							
	Area Weightage @ 6%	10.46							
	Total	184.73							
3	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
				Qty Vide Item No.1+2			256.88	111.00	28513.13
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Add loading and unloading Item No 17.1)	68.00							
	Sub-Total	100.00							
	AD-HOC 11%	11.00							
	Total	111.00							
4	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No.KBS 4.1, 4.2 (P.12/1.4.3)								
	for Road	Cum							
	Cross Roads and Passages		1	65.00	3.50	0.15	34.13		
			1	55.00	2.00	0.15	16.50		
			1	50.00	3.00	0.15	22.50		
			1	45.00	3.00	0.15	20.25		
			1	45.00	2.00	0.15	13.50		
						Total Qty	106.88	5726.51	612020.99
	Basic Rate	4867.00							
	AD-HOC 11%	535.37							
	Sub-Total	5402.37							
	Area Weightage @ 6%	324.14							
	Total	5726.51							
5	KSRRB M600-6. Cement concrete pavement. Construction Un- reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and size graded granite metal , coarse and fine aggregate with superplastisiser @ 3lts conforming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rakers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grades as per drawing complete as per specifications.(P.No.174 / It.No.22.6.2)								
		Cum							
	Cross Roads and Passages		1	65.00	3.50	0.125	28.44		
			1	55.00	2.00	0.125	13.75		
			1	50.00	3.00	0.125	18.75		
			1	45.00	3.00	0.125	16.88		
			1	45.00	2.00	0.125	11.25		
						Total Qty	89.06	6901.94	614703.64
	Basic Rate	5866.00							
	AD-HOC 11%	645.26							
	Sub-Total	6511.26							
	Area Weightage @ 6%	390.68							
	Total	6901.94							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift (P.177/ I.22.7)								
		Sqm							
	Cross Roads and Passages		1	65.00	3.50		227.50		
			1	55.00	2.00		110.00		
			1	50.00	3.00		150.00		
			1	45.00	3.00		135.00		
			1	45.00	2.00		90.00		
							712.50	105.89	75449.48
	Basic Rate	90.00							
	AD-HOC 11%	9.90							
	Sub-Total	99.90							
	Area Weightage @ 6%	5.99							
	Total	105.89							
7	Providing Groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine generator and HOM of machinery including cost of blade, coolant etc., including cleaning aof groove & providing sand and hot bitumen fillars and filler metal etc.,including cost of conveyance of all materials, labour,lead and lift charges and all the other incidental charges as per drawing and as per specifications, MORTH specification. (P.178/ I.22.8)								
		m							
			28	3.00			84.00		
							84.00	135.31	11365.96
	Basic Rate	115.00							
	AD-HOC 11%	12.65							
	Sub-Total	127.65							
	Area Weightage @ 6%	7.66							
	Total	135.31							
8	Miscellaneous and unforeseen charges	LS							
									366.00
Grand Total Amount									150000.00
(Rupees Fifteen Lakhs Only)									

CERTIFICATE

- 1) The site has been inspected and the work is found to be necessary.
- 2) The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
- 3) The provisions were made in this estimate are necessary and adequate.
- 4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
- 5) This work is not repeated in any other programs or Grants

Assistant Engineer
Ward No.01

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

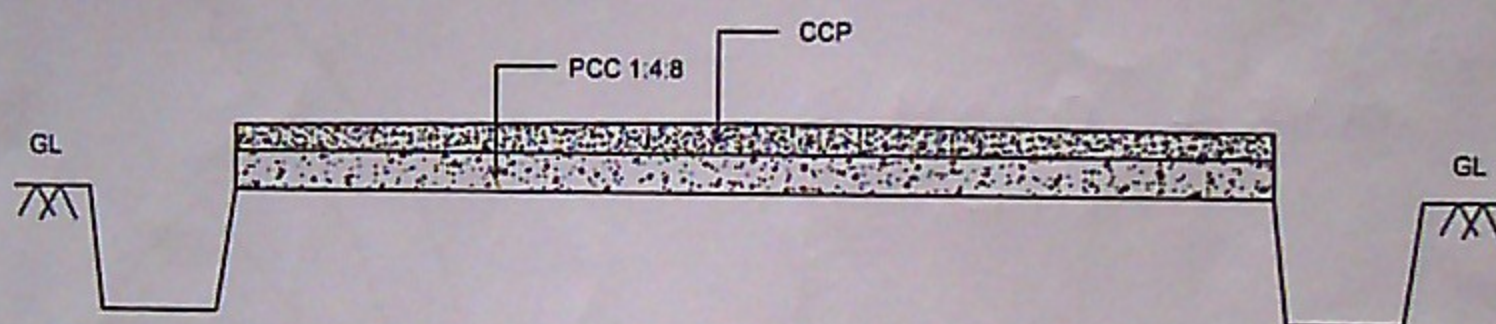
Executive Engineer
Yelahanka Division
B.B.M.P

Administrative Approval

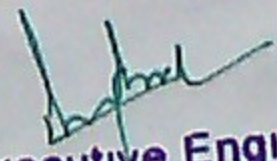
Accorded For Rs. 15.00 Lakh
Head of A/C D. 1771
CER NO. 223 Dt. 2-2-18

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TEMPLE ROAD AND SURROUNDING AREAS IN WARD NO.01 OF
YELAHANKA SUB DIVISION



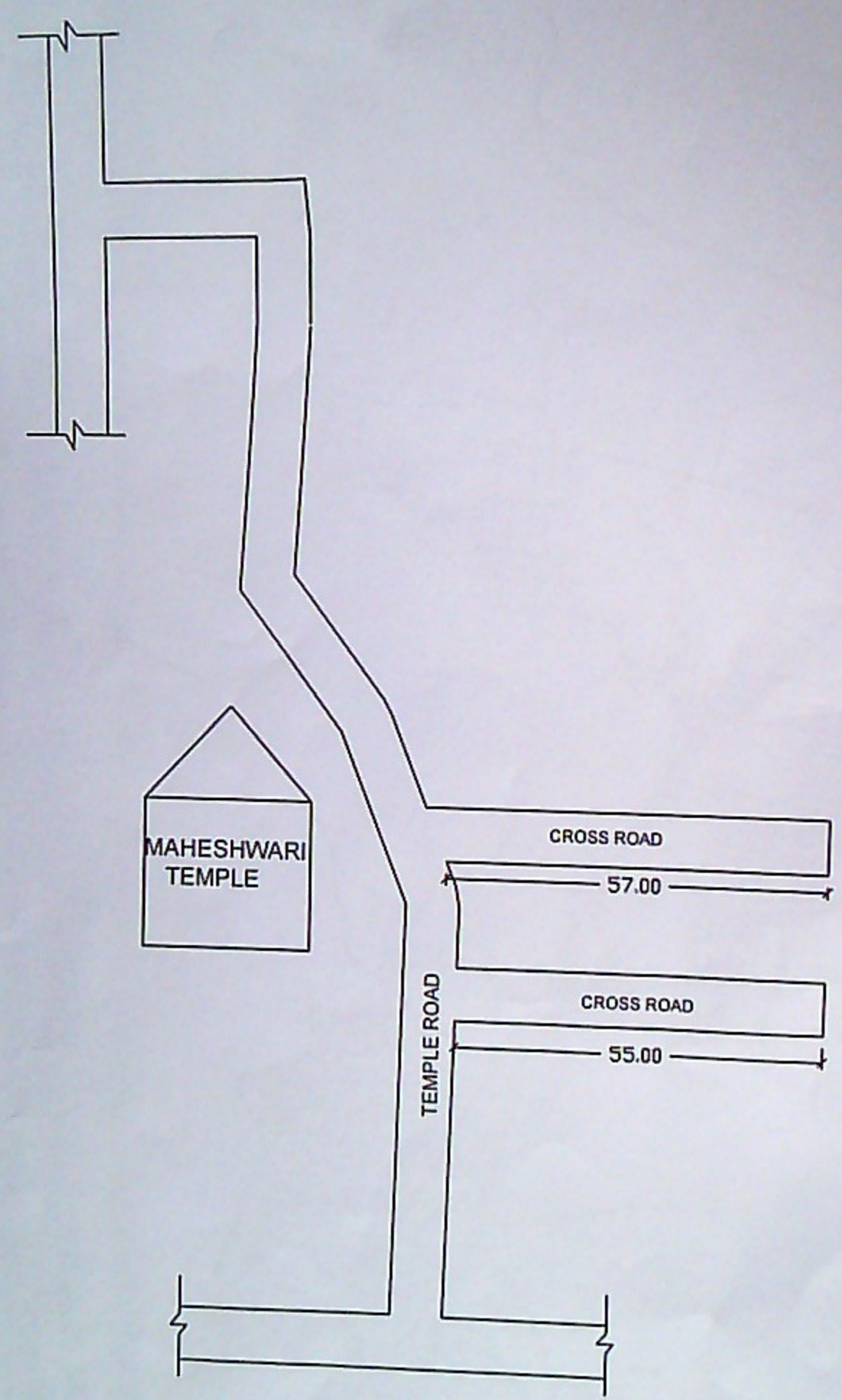
TYPICAL CROSS SECTION OF CC ROAD


Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore



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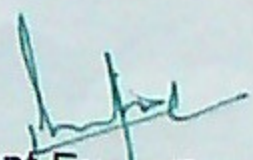
KEY : NOT TO SCALE



INDEX

 - CC ROAD


Assistant Engineer
Ward No.01
B.B.M.P


Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

YELAHANKA ZONE
WARD 1-KEMPEGOWDA WARD

©



AREA 18.7 Sq Km

No of Properties : 7284	
Apartment	1
Commercial	150
Government Institutions	15
Govt Office	10
Industrial	10
Open Space	1500
Park	10
Residential/Commercial	150
Residential	1000
Under Construction	110
Unserviced Plot	1000
Waste Land	10
No of Roads : 838	
Intermediate Road	10
Major Road	10
Minor Road	10
Total Length of Roads (In Meters) 88854.0	
Intermediate Road	10000.0
Major Road	10000.0
Minor Road	10000.0

Legend

- Major Road
- Intermediate Road
- Minor Road

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)